

Table 8b

Arizona nonBt

Cotton Insect Losses 2008

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	1,723	1,628	0.78	0.514	\$10.53	1.085%	81
Pink Bollworm	246	0	0.00	0.000	\$0.00	0.005%	0
Cotton Fleahopper	1,231	0	0.00	0.000	\$0.00	0.000%	0
Lygus	2,187	1,628	1.00	0.663	\$17.47	2.047%	153
Cotton Leaf Perforator	25	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	123	0	0.00	0.000	\$0.00	0.000%	0
Thrips	2,462	739	1.00	0.300	\$6.00	0.165%	12
Beet Armyworm	985	985	0.67	0.266	\$5.43	0.165%	12
Fall Armyworm	0	0	0.00	0.000	\$0.00	0.000%	0
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	1,231	203	0.10	0.008	\$0.16	0.077%	6
Grasshoppers	0	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	203	203	0.33	0.027	\$0.44	0.000%	0
Aphids	763	102	0.50	0.021	\$0.40	0.000%	0
Banded Winged Whitefly	505	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	1,628	1,424	1.00	0.579	\$21.40	0.275%	21
Loopers	123	0	0.00	0.000	\$0.00	0.000%	0
Southern Armyworms	0	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	0	0	0.00	0.000	\$0.00	0.000%	0
Clouded Plant bugs	0	0	0.00	0.000	\$0.00	0.000%	0
Other Insects	246	49	0.80	0.016	\$0.24	0.000%	0

Yield & Management Results

Total Acres	2,462
Total bales Harvested	6,529
Yield (lbs/acre)	1,273
Total bales Lost to Insects	285
Percent Yield Loss	3.82%
Yield w/o Insects (lbs/acre)	1,324
Ave. # Spray Applications	2.394
Yield loss to all factors	937
% Yield loss to all factors	12.6%

Economic Results

	Total	Per Acre
Foliar Insecticides - costs	\$152,820	\$62.07
At Planting Costs	\$1,220	\$0.50
Scouting costs	\$26,270	\$10.67
Eradication costs	\$104,658	\$42.51
Transgenic cotton	\$0	\$0.00
Total Costs	\$284,967	\$115.75
Yield Lost to insects	\$88,989	\$36.15
Total Losses + Costs	\$373,957	\$151.89